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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/484,331	01/18/2000	John J. Harrington	5817-7L	9576
959	7590	09/26/2005	EXAMINER	
LAHIVE & COCKFIELD, LLP. 28 STATE STREET BOSTON, MA 02109			WOITACH, JOSEPH T	
			ART UNIT	PAPER NUMBER
			1632	

DATE MAILED: 09/26/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b><i>Interview Summary</i></b>	<b>Application No.</b>	<b>Applicant(s)</b>
	09/484,331	HARRINGTON ET AL.
	<b>Examiner</b> Joseph T. Woitach	<b>Art Unit</b> 1632

All participants (applicant, applicant's representative, PTO personnel):

- (1) Joseph T. Woitach. (3) \_\_\_\_\_.  
 (2) Cynthia L. Kanik. (4) \_\_\_\_\_.

Date of Interview: 16 September 2005.

Type: a) Telephonic b) Video Conference  
 c) Personal [copy given to: 1) applicant 2) applicant's representative]

Exhibit shown or demonstration conducted: d) Yes e) No.  
 If Yes, brief description: \_\_\_\_\_.

Claim(s) discussed: draft claims submitted by fax.

Identification of prior art discussed: none.

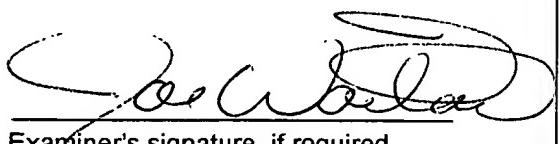
Agreement with respect to the claims f) was reached. g) was not reached. h) N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: See Continuation Sheet.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN ONE MONTH FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.



Examiner's signature, if required

## **Summary of Record of Interview Requirements**

### **Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record**

A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

### **Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews**

#### **Paragraph (b)**

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

#### **37 CFR §1.2 Business to be transacted in writing.**

All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:

- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:

- 1) A brief description of the nature of any exhibit shown or any demonstration conducted,
- 2) an identification of the claims discussed,
- 3) an identification of the specific prior art discussed,
- 4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
- 5) a brief identification of the general thrust of the principal arguments presented to the examiner,  
(The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
- 6) a general indication of any other pertinent matters discussed, and
- 7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

#### **Examiner to Check for Accuracy**

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiner's version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.

Continuation of Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: Applicant indicate that an appeal brief was due, however would be willing to submit an RCE if alternative claim language addressing the rejections of record would be considered. The draft claims were more generally drawn to an assay and not drug discovery per se, and involved screening small molecules. Examiner indicated that it addressed the rejection of record in part, however the only support for using small molecules contemplated in the specification was at best with membrane associated proteins pointing to paragraphs 148-149. Applicant argued that screening was well known in the art, and Examiner agreed with respect to some enablement issues, but new matter and written description can not be met by what is obvious in the art, only what is specifically taught and supported by the specification. Examiner indicated what he believed the specification supported regarding small molecules and membrane proteins, and provided several options for proceeding including the filing of an appeal brief. Ms. Kanik indicated that she would consult other council on how to proceed.

# FAX TRANSMISSION

**DATE:** September 15, 2005

**PTO IDENTIFIER:** Application Number 09/484,831-Conf. #9576  
Patent Number

**Inventor:** John J. HARRINGTON et al.

**MESSAGE TO:** US Patent and Trademark Office

**FAX NUMBER:** (571) 273-0789

**FROM:** LAHIVE & COCKFIELD, LLP  
Cynthia L. Kanik, Ph.D, Reg. No. 37,320

**PHONE:** (617) 227-7400

**Attorney Dkt. #:** ATX-007CP4DV12

**PAGES (Including Cover Sheet):** 2

**MESSAGE:** Dear Examiner Woitach:

Thank you for taking the time to speak with me on Tuesday, September the 13<sup>th</sup>. As discussed, please find attached proposed amendments to the claims in the above-referenced patent application for your consideration. I will call you to schedule a time to discuss these amendments in the near future.

Sincerely,

*Sapna Mehtaani for Cynthia L. Kanik*  
Cynthia L. Kanik  
Reg. No. 37,320  
Attorney for Applicants

If your receipt of this transmission is in error, please notify this firm immediately by collect call to sender at (617) 227-7400 and send the original transmission to us by return mail at the address below.

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(148) Isolation of Cells Containing Activated Membrane Protein-Encoding Genes

(149) Genes that encode membrane associated proteins are particularly interesting from a drug development standpoint. These genes and the proteins they encode can be used, for example, to develop small molecule drugs using combinatorial chemistry libraries and high through-put screening assays. Alternatively, the proteins or soluble forms of the proteins (e.g. truncated proteins lacking the transmembrane region) can be used as therapeutically active agents in humans or animals. Identification of membrane proteins can also be used to identify new ligands (e.g., cytokines, growth factors, and other effector molecules) using two hybrid approaches or affinity capture techniques. Many other uses of membrane proteins are also possible.

look to parent "small molecule" #149  
for breadth of only found at screening only of membrane proteins  
the vector used allows not phenotype